

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/056384 A2

(51) International Patent Classification?: **B64D**
(21) International Application Number:
PCT/US2004/018616
(22) International Filing Date: 10 June 2004 (10.06.2004)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/478,397 13 June 2003 (13.06.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

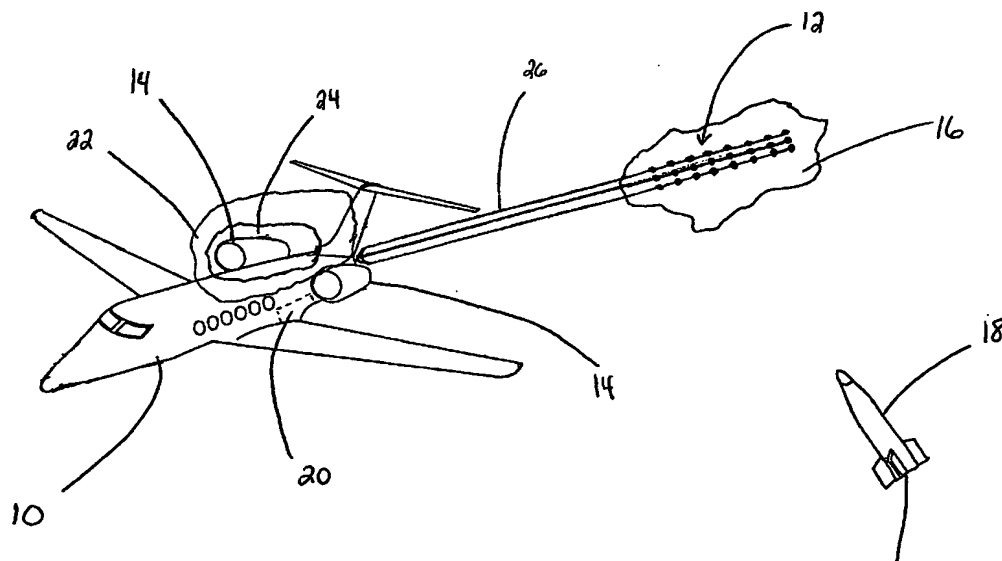
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: **ANTI-MISSILE DEFENSE SUITE**



(57) Abstract: A system and method for an aircraft (10) that provides an IR decoy (12) for an incoming missile (18) to track instead of an engine (14) of the aircraft (10) is disclosed. The IR decoy (12) is deployed during or just after take off, and prior to landing to provide a signature (16) for any incoming missile (18). The IR decoy (12) provides a heat source (16) that has a higher radiant intensity than the hottest heat source on the aircraft (10), which is typically the engine (14), thereby providing a more attractive heat source for the missile (18). In another embodiment, a warning system (20) for an aircraft (10) detects an incoming missile (18), and deploys IR decoy (12) and creates an engine mask (22) by injecting an additive into the exhaust stream of the engine (14), thereby obscuring the radiation emanating from the engine (14).



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/056384 A3

(51) International Patent Classification⁷: **B64D 47/00**
(21) International Application Number:
PCT/US2004/018616
(22) International Filing Date: 10 June 2004 (10.06.2004)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
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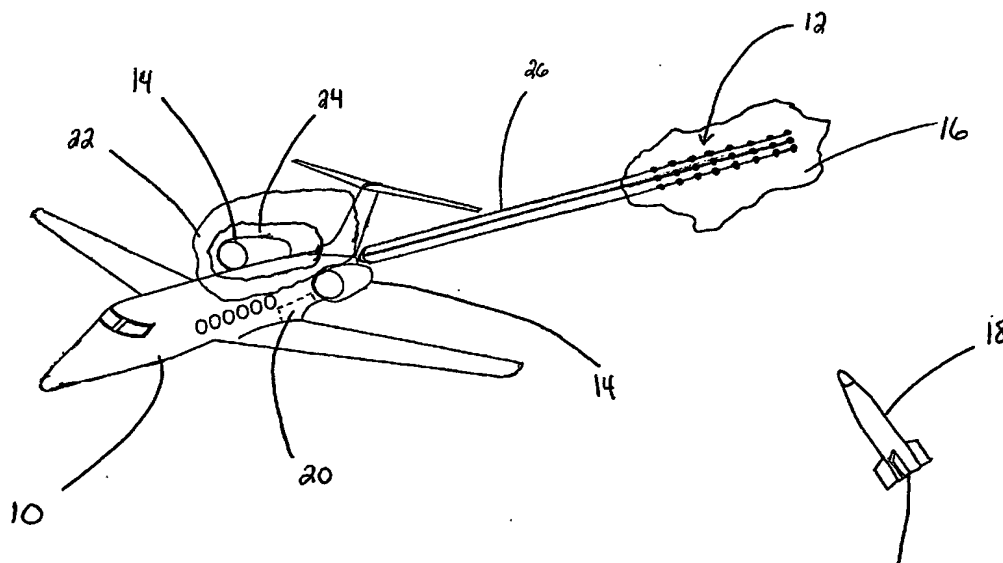
Published:

— with international search report

(88) Date of publication of the international search report:
29 December 2005

[Continued on next page]

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WO 2005/056384 A3



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